

ABSTRACT OF THE DISCLOSURE

5 A method of performing a modified RLP that reduces the transmission
delay in a communications system by detecting frame erasures when they
occur. The modified RLP method requests retransmission of erased frames
based on pattern violations instead of sequence number violations. The
method is preconditioned to expect a particular repeating pattern of frame
delivery. For a system running a VSELP vocoder, the method in a receiving
10 device expects to receive full rate or data (F) and DTX (D) frames in a
repeating pattern FFDFDFFD. For a system running an AMBE vocoder, the
method in a receiving device expects to receive frames in a repeating pattern
DFDFDFFD. The method detects when the pattern is violated and in
desired instances immediately requests retransmission of the expected
15 frame.